EDUCATION SECRETARIAT

Dated 3rd October1950.

Subject :—Government Officials for the United Nations Fellowship and Scholarship Programme.

No. E. 6435—Edn. 97-50-23. In continuation of the Notification No. E. 5744—Edn. 97-50-20, dated the 9th September 1950, on the above subject, a list of subjects set out in the Brochure of Fellowship Programme is published herewith. Intending applicants may select any of the subjects stated therein. The time for the receipt of such applications has been extended up to the 12th October 1950.

By Order of His Highness the Maharaja,

A. C. NIRVANI GOWDA,
Secretary to Government,
Education Department.

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List of Subjects.

GENERAL.—

1 Combined resource development of an area or region, including the economic and technical as well as the organisational and administrative aspects.
2 Analysis of economic and related characteristics of a community or an area.
3 Community organisation for economic development.
4 Cartography for development.
5 Photogrammetry—use of aerial photographs in resource appraisal, with particular reference to geology, soils, land use, water and forests.

STATISTICS.—

6 Organisation and operation of centralised and decentralised statistical services.
7 Statistical operations (collection, compilation and presentation) in relation to economic development, *i.e.*, (*a*) census work including industrial, population, etc., systems of registration for vital, morbidity, marriage and other statistics; (*b*) estimates of national income and capital formation; (*c*) external trade, production, transport and price statistics.
8 Statistical methodology, including sampling.

INDUSTRIAL DEVELOPMENT.—

9 Principles of industrial organisation and management.

FUEL AND POWER.—

10 Utilisation of fuels in economic development.
11 Hydraulic and thermal power resource appraisal.
12 Power plant construction and operation—hydro-electric plants; thermal electric plants.
13 Electrification, industrial and rural—transmission of electric power and distribution for use.

MINING AND METALLURGY.—

14 Appraisal of mineral resources and their possible development.
15 Geological survey of resources.
16 Conservation of mineral resources, including improvement in mining, milling and extraction processes.
17 Metallurgical techniques and processes.
18 Iron foundry operation.
19 Blast furnace operation

DEVELOPMENT OF PARTICULAR INDUSTRIES.—

(It may be possible to arrange for a United Nations Fellow to study in important industries basic to economic development including those mentioned below and elsewhere in this list).
20 Appraisal opportunities for the establishment of new industries.
21 Fertilizer manufacture.
22 Cement manufacture.
23 Coal mining.
24 Meat packing.
25 Boat and ship building.
26 Organisation and development of handicraft industries.
27 Equipment and operation of machine shops.
28 Equipment and operation of wood working shops.

Transport and Communications.

GENERAL.—

29 Appraisal of the potentialities of various means of transport—road, water, rail and air in relation to transport requirements.

INLAND TRANSPORT.—

30 Road construction and maintenance.
31 Organisation, management and operation of road transport carriers
32 Railroad construction and operation.
33 Inland water transport—improvement of waterways, construction of facilities and operation.

CIVIL AVIATION.—

34 Appraisal of requirements for civil aviation as to air-ports and other ground facilities for air navigation and air transport.
35 Airports—construction, organisation, management, operation and maintenance.
36 Ground equipment for aeronautical communications including navigation aids and equipment for control power operation and air traffic control, construction, organisation, management, operation and maintenance.
37 Facilitation of civil aviation traffic—management of entry and departure of aircraft, crew, passengers and cargo with a view to simplification of customs, immigration, public health and agricultural quarantine requirements

SHIPPING.—

38 Coastal shipping—nature of the fleet—technical trends. Navigation and port facilities—construction, organisation, management, operation and maintenance.

39 Port and harbour facilities, construction, organisation, management, operation and maintenance. Port dues, charges and taxes.
40 Facilitation of shipping traffic—management oi entry and departure of vessels, crew, passengers and cargo with a view to simplification of customs, immigration, public health and agricultural quarantine requirements.

TELECOMMUNICATIONS.—

41 Telegraph systems—construction, organisation management, operation and maintenance.
42 Telephone systems—construction, organisation, management, operation and maintenance.
43 Radio communications systems—construction, organisation, management, operation and maintenance.

DEVELOPMENT OF LAND AND WATER RESOURCES—

44 Land resource appraisal—topography, use classification, present and possible best uses.
45 Water resource appraisal—resources available for water supply, power irrigation; problems of drainage and floods control; navigation; general hydrology in relation to economic development
46 Soil and water conservation.
47 Surface water irrigation projects—construction and operation.
48 Irrigation projects from wells—construction equipment and operation.
49 Drainage systems—construction and maintenance.
50 Water control techniques.
51 Upstream watershed structures and treatment in flood control.
52 Dyking, dewatering soil, and treatment of lands inundiated by the sea.
53 Organization of research facilities in agriculture—agriculture experiment stations.
54 Land tenure and management for development.
55 Improved techniques in plant breeding, seed production and storage.
56 Field control techniques and materials for insect and disease pests control.
57 Production of insecticides and fungicides.
58 Improved techniques in livestock management, breeding and artificial insemination.
59 Control of livestock diseases.
60 Production of veterinary serums and viruses.
61 Processing and preservation of fruits, vegetables and other foods.
62 Storage and treatment of cereals, for insect, fungi and moisture control.
63 Packaging and marketing food products.
64 Appraisal of fishery resources and their development.
65 Pond-fish culture.
66 Deep-sea fishing techniques.
67 Appraisal of forests.
68 Forest management and afforestation.
69 Logging and lumbering operations.
70 Forest products utilization including pulp and chemical by-products.
71 Standardization and specification of forest products.

CO-OPERATIVES.—

72 Co-operatives in economic development.
(a) Industrial and agricultural producer co-operatives.
(b) Processing and marketing co-operatives.
(c) Consumer co-operatives.
(d) Credit co-operatives.

PUBLIC FINANCE AND FISCAL POLICIES.—

73 Banking: monetary and credit policies of Central Banks; organization and administration of savings banks.
74 Agricultural and industrial credit for economic development—organization and operation of specialized credit establishments.
75 Problems of domestic financing of economic development—methods of—Government borrowing, grants, loans; and guaranteeing of loans, public participation in mixed enterprises, financial organization of autonomous public trading, development and investment corporations.
76 Administration of tariffs and customs.
77 Import and exchange controls.
78 Budget planning and standards.
79 Public debt, policy and management.
80 Taxation—policy, legislation, assessment and collection.

PUBLIC ADMINISTRATION.—

(It may be possible to arrange for Fellowships and Scholarships in administrative aspects of many of the subjects listed above. Fellowships to study the administrative aspects of social welfare services are dealt with by the United Nations Department of Social Affairs in connection with the Fellowship Programme which it is operating.)
81 Principles of public administration; state and municipal administration.
82 Principles of organization.
83 Personnel administration.
84 Administrative legislation, regulations, and adjudication.
85 Problems and regulation of public utilities.
86 Administration of Government corporations.
87 Government accounting techniques.
88 Auditing.
89 Organization of services for Government purchasing and control of materials.

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